

## UniSysCat Colloquium

Prof. Dr. Richard Layfield

University of Sussex

Start Time: Wednesday, June 12, 2019 05:15 pm

End Time: Wednesday, June 12, 2019 06:45 pm

Chemistry Building, C264

Technische Universität Berlin, Straße des 17. Juni 115, 10623 Berlin

### High-Temperature Lanthanide Single-Molecule Magnets

Single-molecule magnets (SMMs) are metal-organic compounds that display magnetic hysteresis below a blocking temperature,  $T_B$ . Such materials have been proposed for numerous device applications, including as qubits in quantum computers. We have interests in metallocene SMMs based on dysprosium, and, over the years, we have reported a few examples of such materials.

[The full abstract can be found here](#)

Prof. Dr. Matthias Drieß

Organizer